

In the Claims

Kindly amend the claim as follows:

1-2 (Canceled)

3. (Currently Amended) A chimeric protein heterodimer complex, wherein a chimeric protein comprises an α chain • immunoglobulin heavy chain- β chain • immunoglobulin heavy chain chimeric protein heterodimer complex, wherein a chimeric protein comprising the α chain of an integrin and the heavy chain of an immunoglobulin and a chimeric protein comprising the β chain of the integrin and the heavy chain of the immunoglobulin are bound to each other by a disulfide bond between the heavy chains and stably associated with its function retained.

4. (Previously Amended) A chimeric protein heterodimer complex, according to claim 3, wherein the $\alpha 1$, $\alpha 2$, $\alpha 3$, $\alpha 4$, $\alpha 5$, $\alpha 6$, $\alpha 7$, $\alpha 8$, $\alpha 9$, αv , αL , αM , αX , $\alpha 1b$ or αE .

5. (Previously Amended) A chimeric protein heterodimer complex, according to claim 3, wherein the β chain of said integrin in $\beta 1$, $\beta 2$, $\beta 3$, $\beta 4$, $\beta 5$, $\beta 6$, $\beta 7$ or $\beta 8$.

6. (Previously Amended) A chimeric protein heterodimer complex, according to claim 3, wherein the α chain of an integrin is $\alpha 4$ or $\alpha 2$ and the β chain is $\beta 1$.

7. (Previously Amended) A chimeric protein heterodimer complex, according to claim 3, wherein the chimeric protein comprising the $\alpha 4$ of an integrin and the heavy chain of an immunoglobulin comprises the amino acid sequence of SEQ ID NO:1.

8. (Previously Amended) A chimeric protein heterodimer complex, according to claim 3, wherein the chimeric protein comprising the $\alpha 2$ of an integrin and the heavy chain of an immunoglobulin comprises the amino acid sequence of SEQ ID NO:19.

9. (Previously Amended) A chimeric protein heterodimer complex, according to claim 3 wherein the chimeric protein comprising the $\beta 1$ of an integrin and the heavy chain of an immunoglobulin comprises the amino acid sequence of SEQ ID NO:2.

10-24 (Canceled)

25. (Previously Amended) A drug composition, comprising a chimeric protein heterodimer complex as stated in claim 3.

26-49 (Canceled)

50. (Previously Added) A chimeric protein heterodimer complex, according to claim 3, wherein the α chain of said integrin and the β chain of said integrin are polypeptides derived from an extracellular portion, and wherein the heavy chain of said immunoglobulin is connected to a C terminus of both the α chain and the β chain of said integrin.

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Canceled
51. (Previously Added) The chimeric protein heterodimer complex, according to claim 4, wherein the polypeptide derived from an extracellular portion of the α chain of said integrin and the polypeptide derived from an extracellular portion of the β chain of said integrin are linked by a disulfide bond.
